AMENDMENTS TO THE CLAIMS

By this paper, claims 2-19 are pending, (claim 1 is cancelled without prejudice, Claims 2-5, 9 and 10 are current amended, Claims 7 and 8 are previously amended, and Claims 11-19 are added) as reflected below.

Claim 1 (Cancelled)

2. (Currently Amended) A radio base station comprising a ~~The~~ traffic control unit, the traffic control unit comprising ~~as claimed in claim 1, wherein said network comprises~~:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means,

~~a radio base station; and~~

wherein said traffic control means carries out traffic control of data to be transmitted to a local switch through a transmission path between the radio base station and the local switch for transmitting data between the ~~said~~ radio base station and the ~~said~~ local switch, from among the data received by said receiving means ~~and wherein said first shared resource consists of said radio base station, and said second shared resource includes said transmission path between the radio base station and local switch~~.

3. (Currently Amended) The radio base station ~~traffic control unit~~ as claimed in claim 2 ~~1~~, wherein said data takes place in a burst mode at a period proper to the data, and wherein said traffic control means ~~unit~~ carries out, for the data received by said receiving means, the traffic control such that a cumulative transmission volume in a traffic monitoring period defined by taking account of the proper period does not exceed a volume based on a traffic rate.

4. (Currently Amended) A traffic control unit for carrying out traffic control of data taking place in a burst mode at a period proper to the data, said traffic control unit comprising:

receiving means for receiving the data:

traffic control means for carrying out the traffic control for the data received by said receiving means such that a cumulative transmission volume in a traffic monitoring period defined by taking account of said proper period does not exceed an allowed transmission volume based on a traffic rate; and

transmission means for transmitting the data controlled by said traffic control means.

5. (Currently Amended) The traffic control unit as claimed in claim 4, wherein said traffic control means carries out, for the data received by said receiving means, peak traffic control such that a cumulative transmission volume in a peak traffic monitoring period defined by taking the account of the proper period does not exceed an allowed transmission volume based on a peak traffic rate, and sustainable traffic control such that a cumulative transmission volume in a sustainable traffic monitoring period defined by taking the account of the proper period does not exceed an allowed transmission volume based on a sustainable traffic rate.

6. (Original) The traffic control unit as claimed in claim 5, wherein said sustainable traffic control is carried out by sliding the sustainable traffic monitoring period at every peak traffic monitoring period.

7. (Previously Amended) The traffic control unit as claimed in claim 5, wherein said peak traffic control period is equal to said proper period, and said sustainable traffic control period is equal to n times said proper period, where n is a natural number.

8. (Previously Amended) The traffic control unit as claimed in claim 4, wherein said data consists of ATM cells generated from a radio frame, and said proper period equals a radio frame period.

9. (Currently Amended) A traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a radio base station, or a transmission path between the radio base station and the local switch for transmitting data between the radio base station and the local switch, and the second shared resource includes at least a part of the transmission path between the radio base station and the local switch.

10. (Currently Amended) A traffic control method for carrying out traffic control of data taking place in a burst mode at a period proper to the data, said traffic control method comprising the steps of:

receiving the data;

carrying out the traffic control of the data received such that a cumulative transmission volume in a traffic monitoring period defined by taking account of the proper period does not exceed an allowed transmission volume based on a traffic rate; and

transmitting the data passing through said traffic control.

11. (New) A LAN comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means.

12. (New) The LAN as claimed in claim 11, wherein said traffic control means carries out traffic control of data to be transmitted to a local switch through a transmission path between the LAN and the local switch for transmitting data between the LAN and the local switch, from among the data received by said receiving means.

13. (New) A PBX comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means.

14. (New) The PBX as claimed in claim 13, wherein said traffic control means carries out traffic control of data to be transmitted to a local switch through a transmission path between the PBX and the local switch for transmitting data between the PBX and the local switch, from among the data received by said receiving means.

15. (New) A gateway switch comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means.

16. (New) The gateway switch as claimed in claim 15, wherein said traffic control means carries out traffic control of data to be transmitted to a local switch through a transmission path between the gateway switch and the local switch for transmitting data between the gateway switch and the local switch, from among the data received by said receiving means.

17. (New) A traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a LAN, or a transmission path between the LAN and the local switch for transmitting data between the LAN and the local switch, and the second shared resource includes at least a part of the transmission path between the LAN and the local switch.

18. (New) A traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a PBX, or a transmission path between the PBX and the local switch for transmitting data between the PBX and the local switch, and the second shared resource includes at least a part of the transmission path between the PBX and the local switch.

19. (New) A traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data:

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a gateway switch, a transmission path between the gateway switch and the local switch for transmitting data between the gateway switch and the

local switch, or a transmission path between the gateway switch and another network other than said network for transmitting data between the gateway switch and said another network, and the second shared resource includes at least a part of the transmission path between the gateway switch and the local switch.